

Release notes for ENDF/B Development n-047\_Ag\_111  
evaluation

**ENDF**  
**B-VII**.dev

April 26, 2017

- checkr Warnings:

1. A previous error halted parsing of the current section  
*MAT=4737, MF= 1, MT=451 (1): Parsing stopped*

```
ERROR(S) FOUND IN MAT=4737, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      236 TO      384
```

- checkr Errors:

1. A variable is outside the allowed ENDF range  
*MAT=4737, MF= 1, MT=451 (0): Variable range*

```
ERROR(S) FOUND IN MAT=4737, MF= 1, MT=451
MOD =      1 OUT OF RANGE      0 -      0      RECORD NUMBER      236
```

2. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 2, MT=151 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=4737, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY      RECORD NUMBER      386
```

3. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 3, MT= 1 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=4737, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY      RECORD NUMBER      634
```

4. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 3, MT= 2 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=4737, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY      RECORD NUMBER      648
```

5. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 3, MT= 4 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=4737, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY      RECORD NUMBER      677
```

6. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 3, MT= 16 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT=4737, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY      RECORD NUMBER      697
```

7. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 3, MT= 17 (0): Directory (b)*

ERROR(S) FOUND IN MAT=4737, MF= 3, MT= 17  
SECTION 3/ 17 NOT IN DIRECTORY RECORD NUMBER 706

8. Missing a section in directory so your directory is messed up. This error will break everything else  
MAT=4737, MF= 3, MT= 22 (0): Directory (b)

ERROR(S) FOUND IN MAT=4737, MF= 3, MT= 22  
SECTION 3/ 22 NOT IN DIRECTORY RECORD NUMBER 712

9. Missing a section in directory so your directory is messed up. This error will break everything else  
MAT=4737, MF= 3, MT= 24 (0): Directory (b)

ERROR(S) FOUND IN MAT=4737, MF= 3, MT= 24  
SECTION 3/ 24 NOT IN DIRECTORY RECORD NUMBER 721

10. Missing a section in directory so your directory is messed up. This error will break everything else  
MAT=4737, MF= 3, MT= 28 (0): Directory (b)

ERROR(S) FOUND IN MAT=4737, MF= 3, MT= 28  
SECTION 3/ 28 NOT IN DIRECTORY RECORD NUMBER 727

11. Missing a section in directory so your directory is messed up. This error will break everything else  
MAT=4737, MF= 3, MT= 41 (0): Directory (b)

ERROR(S) FOUND IN MAT=4737, MF= 3, MT= 41  
SECTION 3/ 41 NOT IN DIRECTORY RECORD NUMBER 736

12. Missing a section in directory so your directory is messed up. This error will break everything else  
MAT=4737, MF= 3, MT= 51 (0): Directory (b)

ERROR(S) FOUND IN MAT=4737, MF= 3, MT= 51  
SECTION 3/ 51 NOT IN DIRECTORY RECORD NUMBER 742

13. Missing a section in directory so your directory is messed up. This error will break everything else  
MAT=4737, MF= 3, MT= 52 (0): Directory (b)

ERROR(S) FOUND IN MAT=4737, MF= 3, MT= 52  
SECTION 3/ 52 NOT IN DIRECTORY RECORD NUMBER 757

14. Missing a section in directory so your directory is messed up. This error will break everything else  
MAT=4737, MF= 3, MT= 53 (0): Directory (b)

ERROR(S) FOUND IN MAT=4737, MF= 3, MT= 53  
SECTION 3/ 53 NOT IN DIRECTORY RECORD NUMBER 772

15. Missing a section in directory so your directory is messed up. This error will break everything else  
MAT=4737, MF= 3, MT= 54 (0): Directory (b)

- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4737, MF= 3, MT= 54 | RECORD NUMBER | 787 |
| SECTION 3/ 54 NOT IN DIRECTORY            |               |     |
16. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 3, MT= 55 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4737, MF= 3, MT= 55 | RECORD NUMBER | 802 |
| SECTION 3/ 55 NOT IN DIRECTORY            |               |     |
17. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 3, MT= 56 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4737, MF= 3, MT= 56 | RECORD NUMBER | 817 |
| SECTION 3/ 56 NOT IN DIRECTORY            |               |     |
18. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 3, MT= 57 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4737, MF= 3, MT= 57 | RECORD NUMBER | 832 |
| SECTION 3/ 57 NOT IN DIRECTORY            |               |     |
19. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 3, MT= 58 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4737, MF= 3, MT= 58 | RECORD NUMBER | 847 |
| SECTION 3/ 58 NOT IN DIRECTORY            |               |     |
20. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 3, MT= 59 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4737, MF= 3, MT= 59 | RECORD NUMBER | 861 |
| SECTION 3/ 59 NOT IN DIRECTORY            |               |     |
21. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 3, MT= 60 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4737, MF= 3, MT= 60 | RECORD NUMBER | 875 |
| SECTION 3/ 60 NOT IN DIRECTORY            |               |     |
22. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 3, MT= 61 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4737, MF= 3, MT= 61 | RECORD NUMBER | 889 |
| SECTION 3/ 61 NOT IN DIRECTORY            |               |     |
23. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 3, MT= 62 (0): Directory (b)*

- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4737, MF= 3, MT= 62 | RECORD NUMBER | 904 |
| SECTION 3/ 62 NOT IN DIRECTORY            |               |     |
24. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 3, MT= 91 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4737, MF= 3, MT= 91 | RECORD NUMBER | 919 |
| SECTION 3/ 91 NOT IN DIRECTORY            |               |     |
25. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 3, MT=102 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4737, MF= 3, MT=102 | RECORD NUMBER | 934 |
| SECTION 3/102 NOT IN DIRECTORY            |               |     |
26. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 3, MT=103 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4737, MF= 3, MT=103 | RECORD NUMBER | 951 |
| SECTION 3/103 NOT IN DIRECTORY            |               |     |
27. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 3, MT=107 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4737, MF= 3, MT=107 | RECORD NUMBER | 967 |
| SECTION 3/107 NOT IN DIRECTORY            |               |     |
28. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 3, MT=600 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4737, MF= 3, MT=600 | RECORD NUMBER | 980 |
| SECTION 3/600 NOT IN DIRECTORY            |               |     |
29. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 3, MT=601 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=4737, MF= 3, MT=601 | RECORD NUMBER | 991 |
| SECTION 3/601 NOT IN DIRECTORY            |               |     |
30. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 3, MT=602 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4737, MF= 3, MT=602 | RECORD NUMBER | 1002 |
| SECTION 3/602 NOT IN DIRECTORY            |               |      |
31. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 3, MT=603 (0): Directory (b)*

- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=4737, MF= 3, MT=603 |                    |
| SECTION 3/603 NOT IN DIRECTORY            | RECORD NUMBER 1013 |
32. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 3, MT=604 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=4737, MF= 3, MT=604 |                    |
| SECTION 3/604 NOT IN DIRECTORY            | RECORD NUMBER 1024 |
33. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 3, MT=605 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=4737, MF= 3, MT=605 |                    |
| SECTION 3/605 NOT IN DIRECTORY            | RECORD NUMBER 1035 |
34. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 3, MT=606 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=4737, MF= 3, MT=606 |                    |
| SECTION 3/606 NOT IN DIRECTORY            | RECORD NUMBER 1046 |
35. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 3, MT=607 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=4737, MF= 3, MT=607 |                    |
| SECTION 3/607 NOT IN DIRECTORY            | RECORD NUMBER 1057 |
36. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 3, MT=608 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=4737, MF= 3, MT=608 |                    |
| SECTION 3/608 NOT IN DIRECTORY            | RECORD NUMBER 1068 |
37. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 3, MT=609 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=4737, MF= 3, MT=609 |                    |
| SECTION 3/609 NOT IN DIRECTORY            | RECORD NUMBER 1079 |
38. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 3, MT=610 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=4737, MF= 3, MT=610 |                    |
| SECTION 3/610 NOT IN DIRECTORY            | RECORD NUMBER 1090 |
39. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 3, MT=611 (0): Directory (b)*

- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=4737, MF= 3, MT=611 |                    |
| SECTION 3/611 NOT IN DIRECTORY            | RECORD NUMBER 1101 |
40. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 3, MT=612 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=4737, MF= 3, MT=612 |                    |
| SECTION 3/612 NOT IN DIRECTORY            | RECORD NUMBER 1112 |
41. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 3, MT=613 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=4737, MF= 3, MT=613 |                    |
| SECTION 3/613 NOT IN DIRECTORY            | RECORD NUMBER 1123 |
42. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 3, MT=614 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=4737, MF= 3, MT=614 |                    |
| SECTION 3/614 NOT IN DIRECTORY            | RECORD NUMBER 1134 |
43. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 3, MT=649 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=4737, MF= 3, MT=649 |                    |
| SECTION 3/649 NOT IN DIRECTORY            | RECORD NUMBER 1145 |
44. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 3, MT=800 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=4737, MF= 3, MT=800 |                    |
| SECTION 3/800 NOT IN DIRECTORY            | RECORD NUMBER 1156 |
45. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 3, MT=801 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=4737, MF= 3, MT=801 |                    |
| SECTION 3/801 NOT IN DIRECTORY            | RECORD NUMBER 1169 |
46. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 3, MT=802 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=4737, MF= 3, MT=802 |                    |
| SECTION 3/802 NOT IN DIRECTORY            | RECORD NUMBER 1182 |
47. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 3, MT=803 (0): Directory (b)*

- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4737, MF= 3, MT=803 | RECORD NUMBER | 1195 |
| SECTION 3/803 NOT IN DIRECTORY            |               |      |
48. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 3, MT=849 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4737, MF= 3, MT=849 | RECORD NUMBER | 1208 |
| SECTION 3/849 NOT IN DIRECTORY            |               |      |
49. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 4, MT= 2 (0): Directory (b)*
- |  |               |      |
|--|---------------|------|
| ERROR(S) FOUND IN MAT=4737, MF= 4, MT= 2 | RECORD NUMBER | 1222 |
| SECTION 4/ 2 NOT IN DIRECTORY            |               |      |
50. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 4, MT= 51 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4737, MF= 4, MT= 51 | RECORD NUMBER | 1354 |
| SECTION 4/ 51 NOT IN DIRECTORY            |               |      |
51. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 4, MT= 52 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4737, MF= 4, MT= 52 | RECORD NUMBER | 1433 |
| SECTION 4/ 52 NOT IN DIRECTORY            |               |      |
52. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 4, MT= 53 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4737, MF= 4, MT= 53 | RECORD NUMBER | 1508 |
| SECTION 4/ 53 NOT IN DIRECTORY            |               |      |
53. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 4, MT= 54 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4737, MF= 4, MT= 54 | RECORD NUMBER | 1616 |
| SECTION 4/ 54 NOT IN DIRECTORY            |               |      |
54. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 4, MT= 55 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4737, MF= 4, MT= 55 | RECORD NUMBER | 1691 |
| SECTION 4/ 55 NOT IN DIRECTORY            |               |      |
55. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 4, MT= 56 (0): Directory (b)*



- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4737, MF= 4, MT= 56 | RECORD NUMBER | 1787 |
| SECTION 4/ 56 NOT IN DIRECTORY            |               |      |
56. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 4, MT= 57 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4737, MF= 4, MT= 57 | RECORD NUMBER | 1876 |
| SECTION 4/ 57 NOT IN DIRECTORY            |               |      |
57. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 4, MT= 58 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4737, MF= 4, MT= 58 | RECORD NUMBER | 1949 |
| SECTION 4/ 58 NOT IN DIRECTORY            |               |      |
58. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 4, MT= 59 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4737, MF= 4, MT= 59 | RECORD NUMBER | 2022 |
| SECTION 4/ 59 NOT IN DIRECTORY            |               |      |
59. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 4, MT= 60 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4737, MF= 4, MT= 60 | RECORD NUMBER | 2095 |
| SECTION 4/ 60 NOT IN DIRECTORY            |               |      |
60. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 4, MT= 61 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4737, MF= 4, MT= 61 | RECORD NUMBER | 2168 |
| SECTION 4/ 61 NOT IN DIRECTORY            |               |      |
61. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 4, MT= 62 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4737, MF= 4, MT= 62 | RECORD NUMBER | 2241 |
| SECTION 4/ 62 NOT IN DIRECTORY            |               |      |
62. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 4, MT=600 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4737, MF= 4, MT=600 | RECORD NUMBER | 2314 |
| SECTION 4/600 NOT IN DIRECTORY            |               |      |
63. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 4, MT=601 (0): Directory (b)*

- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=4737, MF= 4, MT=601 |                    |
|  | SECTION 4/601 NOT IN DIRECTORY            | RECORD NUMBER 2359 |
64. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 4, MT=602 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=4737, MF= 4, MT=602 |                    |
|  | SECTION 4/602 NOT IN DIRECTORY            | RECORD NUMBER 2404 |
65. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 4, MT=603 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=4737, MF= 4, MT=603 |                    |
|  | SECTION 4/603 NOT IN DIRECTORY            | RECORD NUMBER 2449 |
66. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 4, MT=604 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=4737, MF= 4, MT=604 |                    |
|  | SECTION 4/604 NOT IN DIRECTORY            | RECORD NUMBER 2494 |
67. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 4, MT=605 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=4737, MF= 4, MT=605 |                    |
|  | SECTION 4/605 NOT IN DIRECTORY            | RECORD NUMBER 2539 |
68. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 4, MT=606 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=4737, MF= 4, MT=606 |                    |
|  | SECTION 4/606 NOT IN DIRECTORY            | RECORD NUMBER 2584 |
69. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 4, MT=607 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=4737, MF= 4, MT=607 |                    |
|  | SECTION 4/607 NOT IN DIRECTORY            | RECORD NUMBER 2629 |
70. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 4, MT=608 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=4737, MF= 4, MT=608 |                    |
|  | SECTION 4/608 NOT IN DIRECTORY            | RECORD NUMBER 2674 |
71. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 4, MT=609 (0): Directory (b)*

- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4737, MF= 4, MT=609 | RECORD NUMBER | 2719 |
| SECTION 4/609 NOT IN DIRECTORY            |               |      |
72. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 4, MT=610 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4737, MF= 4, MT=610 | RECORD NUMBER | 2764 |
| SECTION 4/610 NOT IN DIRECTORY            |               |      |
73. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 4, MT=611 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4737, MF= 4, MT=611 | RECORD NUMBER | 2809 |
| SECTION 4/611 NOT IN DIRECTORY            |               |      |
74. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 4, MT=612 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4737, MF= 4, MT=612 | RECORD NUMBER | 2854 |
| SECTION 4/612 NOT IN DIRECTORY            |               |      |
75. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 4, MT=613 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4737, MF= 4, MT=613 | RECORD NUMBER | 2899 |
| SECTION 4/613 NOT IN DIRECTORY            |               |      |
76. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 4, MT=614 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4737, MF= 4, MT=614 | RECORD NUMBER | 2944 |
| SECTION 4/614 NOT IN DIRECTORY            |               |      |
77. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 4, MT=800 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4737, MF= 4, MT=800 | RECORD NUMBER | 2989 |
| SECTION 4/800 NOT IN DIRECTORY            |               |      |
78. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 4, MT=801 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4737, MF= 4, MT=801 | RECORD NUMBER | 3044 |
| SECTION 4/801 NOT IN DIRECTORY            |               |      |
79. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 4, MT=802 (0): Directory (b)*

- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=4737, MF= 4, MT=802 |                    |
| SECTION 4/802 NOT IN DIRECTORY            | RECORD NUMBER 3099 |
80. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 4, MT=803 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=4737, MF= 4, MT=803 |                    |
| SECTION 4/803 NOT IN DIRECTORY            | RECORD NUMBER 3154 |
81. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 6, MT= 16 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=4737, MF= 6, MT= 16 |                    |
| SECTION 6/ 16 NOT IN DIRECTORY            | RECORD NUMBER 3210 |
82. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 6, MT= 17 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=4737, MF= 6, MT= 17 |                    |
| SECTION 6/ 17 NOT IN DIRECTORY            | RECORD NUMBER 4018 |
83. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 6, MT= 22 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=4737, MF= 6, MT= 22 |                    |
| SECTION 6/ 22 NOT IN DIRECTORY            | RECORD NUMBER 4171 |
84. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 6, MT= 24 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=4737, MF= 6, MT= 24 |                    |
| SECTION 6/ 24 NOT IN DIRECTORY            | RECORD NUMBER 5437 |
85. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 6, MT= 28 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=4737, MF= 6, MT= 28 |                    |
| SECTION 6/ 28 NOT IN DIRECTORY            | RECORD NUMBER 5601 |
86. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 6, MT= 41 (0): Directory (b)*
- |   |                    |
|---|--------------------|
| ERROR(S) FOUND IN MAT=4737, MF= 6, MT= 41 |                    |
| SECTION 6/ 41 NOT IN DIRECTORY            | RECORD NUMBER 6774 |
87. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 6, MT= 91 (0): Directory (b)*

- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=4737, MF= 6, MT= 91 | RECORD NUMBER | 6889 |
| SECTION 6/ 91 NOT IN DIRECTORY            |               |      |
88. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 6, MT=102 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=4737, MF= 6, MT=102 | RECORD NUMBER | 18164 |
| SECTION 6/102 NOT IN DIRECTORY            |               |       |
89. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 6, MT=649 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=4737, MF= 6, MT=649 | RECORD NUMBER | 19553 |
| SECTION 6/649 NOT IN DIRECTORY            |               |       |
90. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF= 6, MT=849 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=4737, MF= 6, MT=849 | RECORD NUMBER | 20743 |
| SECTION 6/849 NOT IN DIRECTORY            |               |       |
91. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=12, MT= 51 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=4737, MF=12, MT= 51 | RECORD NUMBER | 21753 |
| SECTION 12/ 51 NOT IN DIRECTORY           |               |       |
92. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=12, MT= 52 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=4737, MF=12, MT= 52 | RECORD NUMBER | 21757 |
| SECTION 12/ 52 NOT IN DIRECTORY           |               |       |
93. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=12, MT= 53 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=4737, MF=12, MT= 53 | RECORD NUMBER | 21761 |
| SECTION 12/ 53 NOT IN DIRECTORY           |               |       |
94. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=12, MT= 54 (0): Directory (b)*
- |   |               |       |
|---|---------------|-------|
| ERROR(S) FOUND IN MAT=4737, MF=12, MT= 54 | RECORD NUMBER | 21765 |
| SECTION 12/ 54 NOT IN DIRECTORY           |               |       |
95. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=12, MT= 55 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=4737, MF=12, MT= 55  
SECTION 12/ 55 NOT IN DIRECTORY RECORD NUMBER 21769
96. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=12, MT= 56 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=12, MT= 56  
SECTION 12/ 56 NOT IN DIRECTORY RECORD NUMBER 21773
97. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=12, MT= 57 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=12, MT= 57  
SECTION 12/ 57 NOT IN DIRECTORY RECORD NUMBER 21777
98. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=12, MT= 58 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=12, MT= 58  
SECTION 12/ 58 NOT IN DIRECTORY RECORD NUMBER 21781
99. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=12, MT= 59 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=12, MT= 59  
SECTION 12/ 59 NOT IN DIRECTORY RECORD NUMBER 21785
100. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=12, MT= 60 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=12, MT= 60  
SECTION 12/ 60 NOT IN DIRECTORY RECORD NUMBER 21789
101. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=12, MT= 61 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=12, MT= 61  
SECTION 12/ 61 NOT IN DIRECTORY RECORD NUMBER 21794
102. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=12, MT= 62 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=12, MT= 62  
SECTION 12/ 62 NOT IN DIRECTORY RECORD NUMBER 21798
103. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=12, MT=601 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=4737, MF=12, MT=601  
SECTION 12/601 NOT IN DIRECTORY RECORD NUMBER 21802
104. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=12, MT=602 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=12, MT=602  
SECTION 12/602 NOT IN DIRECTORY RECORD NUMBER 21806
105. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=12, MT=603 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=12, MT=603  
SECTION 12/603 NOT IN DIRECTORY RECORD NUMBER 21810
106. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=12, MT=604 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=12, MT=604  
SECTION 12/604 NOT IN DIRECTORY RECORD NUMBER 21814
107. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=12, MT=605 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=12, MT=605  
SECTION 12/605 NOT IN DIRECTORY RECORD NUMBER 21818
108. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=12, MT=606 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=12, MT=606  
SECTION 12/606 NOT IN DIRECTORY RECORD NUMBER 21822
109. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=12, MT=607 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=12, MT=607  
SECTION 12/607 NOT IN DIRECTORY RECORD NUMBER 21826
110. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=12, MT=608 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=12, MT=608  
SECTION 12/608 NOT IN DIRECTORY RECORD NUMBER 21830
111. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=12, MT=609 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=4737, MF=12, MT=609  
SECTION 12/609 NOT IN DIRECTORY RECORD NUMBER 21834
112. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=12, MT=610 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=12, MT=610  
SECTION 12/610 NOT IN DIRECTORY RECORD NUMBER 21839
113. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=12, MT=611 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=12, MT=611  
SECTION 12/611 NOT IN DIRECTORY RECORD NUMBER 21844
114. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=12, MT=612 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=12, MT=612  
SECTION 12/612 NOT IN DIRECTORY RECORD NUMBER 21848
115. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=12, MT=613 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=12, MT=613  
SECTION 12/613 NOT IN DIRECTORY RECORD NUMBER 21852
116. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=12, MT=614 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=12, MT=614  
SECTION 12/614 NOT IN DIRECTORY RECORD NUMBER 21856
117. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=12, MT=801 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=12, MT=801  
SECTION 12/801 NOT IN DIRECTORY RECORD NUMBER 21860
118. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=12, MT=802 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=12, MT=802  
SECTION 12/802 NOT IN DIRECTORY RECORD NUMBER 21864
119. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=12, MT=803 (0): Directory (b)*



- ERROR(S) FOUND IN MAT=4737, MF=12, MT=803  
SECTION 12/803 NOT IN DIRECTORY RECORD NUMBER 21868
120. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=14, MT= 51 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=14, MT= 51  
SECTION 14/ 51 NOT IN DIRECTORY RECORD NUMBER 21873
121. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=14, MT= 52 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=14, MT= 52  
SECTION 14/ 52 NOT IN DIRECTORY RECORD NUMBER 21875
122. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=14, MT= 53 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=14, MT= 53  
SECTION 14/ 53 NOT IN DIRECTORY RECORD NUMBER 21877
123. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=14, MT= 54 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=14, MT= 54  
SECTION 14/ 54 NOT IN DIRECTORY RECORD NUMBER 21879
124. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=14, MT= 55 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=14, MT= 55  
SECTION 14/ 55 NOT IN DIRECTORY RECORD NUMBER 21881
125. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=14, MT= 56 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=14, MT= 56  
SECTION 14/ 56 NOT IN DIRECTORY RECORD NUMBER 21883
126. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=14, MT= 57 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=14, MT= 57  
SECTION 14/ 57 NOT IN DIRECTORY RECORD NUMBER 21885
127. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=14, MT= 58 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=4737, MF=14, MT= 58  
SECTION 14/ 58 NOT IN DIRECTORY RECORD NUMBER 21887
128. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=14, MT= 59 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=14, MT= 59  
SECTION 14/ 59 NOT IN DIRECTORY RECORD NUMBER 21889
129. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=14, MT= 60 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=14, MT= 60  
SECTION 14/ 60 NOT IN DIRECTORY RECORD NUMBER 21891
130. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=14, MT= 61 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=14, MT= 61  
SECTION 14/ 61 NOT IN DIRECTORY RECORD NUMBER 21893
131. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=14, MT= 62 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=14, MT= 62  
SECTION 14/ 62 NOT IN DIRECTORY RECORD NUMBER 21895
132. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=14, MT=601 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=14, MT=601  
SECTION 14/601 NOT IN DIRECTORY RECORD NUMBER 21897
133. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=14, MT=602 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=14, MT=602  
SECTION 14/602 NOT IN DIRECTORY RECORD NUMBER 21899
134. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=14, MT=603 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=14, MT=603  
SECTION 14/603 NOT IN DIRECTORY RECORD NUMBER 21901
135. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=14, MT=604 (0): Directory (b)*

- ERROR(S) FOUND IN MAT=4737, MF=14, MT=604  
SECTION 14/604 NOT IN DIRECTORY RECORD NUMBER 21903
136. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=14, MT=605 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=14, MT=605  
SECTION 14/605 NOT IN DIRECTORY RECORD NUMBER 21905
137. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=14, MT=606 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=14, MT=606  
SECTION 14/606 NOT IN DIRECTORY RECORD NUMBER 21907
138. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=14, MT=607 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=14, MT=607  
SECTION 14/607 NOT IN DIRECTORY RECORD NUMBER 21909
139. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=14, MT=608 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=14, MT=608  
SECTION 14/608 NOT IN DIRECTORY RECORD NUMBER 21911
140. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=14, MT=609 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=14, MT=609  
SECTION 14/609 NOT IN DIRECTORY RECORD NUMBER 21913
141. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=14, MT=610 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=14, MT=610  
SECTION 14/610 NOT IN DIRECTORY RECORD NUMBER 21915
142. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=14, MT=611 (0): Directory (b)*
- ERROR(S) FOUND IN MAT=4737, MF=14, MT=611  
SECTION 14/611 NOT IN DIRECTORY RECORD NUMBER 21917
143. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=14, MT=612 (0): Directory (b)*

ERROR(S) FOUND IN MAT=4737, MF=14, MT=612  
SECTION 14/612 NOT IN DIRECTORY

RECORD NUMBER 21919

144. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=14, MT=613 (0): Directory (b)*

ERROR(S) FOUND IN MAT=4737, MF=14, MT=613  
SECTION 14/613 NOT IN DIRECTORY

RECORD NUMBER 21921

145. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=14, MT=614 (0): Directory (b)*

ERROR(S) FOUND IN MAT=4737, MF=14, MT=614  
SECTION 14/614 NOT IN DIRECTORY

RECORD NUMBER 21923

146. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=14, MT=801 (0): Directory (b)*

ERROR(S) FOUND IN MAT=4737, MF=14, MT=801  
SECTION 14/801 NOT IN DIRECTORY

RECORD NUMBER 21925

147. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=14, MT=802 (0): Directory (b)*

ERROR(S) FOUND IN MAT=4737, MF=14, MT=802  
SECTION 14/802 NOT IN DIRECTORY

RECORD NUMBER 21927

148. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=4737, MF=14, MT=803 (0): Directory (b)*

ERROR(S) FOUND IN MAT=4737, MF=14, MT=803  
SECTION 14/803 NOT IN DIRECTORY

RECORD NUMBER 21929

• **psyche** Warnings:

1. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.99000E+02. STRENGTH FUNCTION IS 5.22000E-05 / ENERGY = 9.99000E+02. STRENGTH FUNCTION IS 5.22000E-05 / DENSITY 3.14920E+01 SHOULD BE 3.07060E+01 (0): URR dens. (a)*

FILE 2

SECTION 151

ENERGY = 9.99000E+02. STRENGTH FUNCTION IS 5.22000E-05

ENERGY = 9.99000E+02. STRENGTH FUNCTION IS 5.22000E-05

DENSITY 3.14920E+01 SHOULD BE 3.07060E+01

2. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+03. STRENGTH FUNCTION IS 5.22000E-05 / DENSITY 3.14920E+01 SHOULD BE 3.07060E+01 (0): URR dens. (a)*

FILE 2

SECTION 151

ENERGY = 1.00000E+03. STRENGTH FUNCTION IS 5.22000E-05  
DENSITY 3.14920E+01 SHOULD BE 3.07060E+01

3. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+03. STRENGTH FUNCTION IS 5.22000E-05 / DENSITY 3.14501E+01 SHOULD BE 3.06652E+01 (0): URR dens. (a)*

FILE 2

SECTION 151

ENERGY = 2.00000E+03. STRENGTH FUNCTION IS 5.22000E-05  
DENSITY 3.14501E+01 SHOULD BE 3.06652E+01

4. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+03. STRENGTH FUNCTION IS 5.22000E-05 / DENSITY 3.14084E+01 SHOULD BE 3.06245E+01 (0): URR dens. (a)*

FILE 2

SECTION 151

ENERGY = 3.00000E+03. STRENGTH FUNCTION IS 5.22000E-05  
DENSITY 3.14084E+01 SHOULD BE 3.06245E+01

5. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 5.22000E-05 / DENSITY 3.13667E+01 SHOULD BE 3.05838E+01 (0): URR dens. (a)*

FILE 2

SECTION 151

ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 5.22000E-05  
DENSITY 3.13667E+01 SHOULD BE 3.05838E+01

6. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 5.22000E-05 / DENSITY 3.13250E+01 SHOULD BE 3.05432E+01 (0): URR dens. (a)*

FILE 2

SECTION 151

ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 5.22000E-05  
DENSITY 3.13250E+01 SHOULD BE 3.05432E+01

7. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 5.22000E-05 / DENSITY 3.12834E+01 SHOULD BE 3.05026E+01 (0): URR dens. (a)*

FILE 2

SECTION 151

ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 5.22000E-05  
DENSITY 3.12834E+01 SHOULD BE 3.05026E+01

8. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 5.22000E-05 / DENSITY 3.12419E+01 SHOULD BE 3.04622E+01 (0): URR dens. (a)*

FILE 2  
SECTION 151  
ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 5.22000E-05  
DENSITY 3.12419E+01 SHOULD BE 3.04622E+01

9. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 5.22000E-05 / DENSITY 3.12004E+01 SHOULD BE 3.04217E+01 (0): URR dens. (a)*

FILE 2  
SECTION 151  
ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 5.22000E-05  
DENSITY 3.12004E+01 SHOULD BE 3.04217E+01

10. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 5.22000E-05 / DENSITY 3.11590E+01 SHOULD BE 3.03814E+01 (0): URR dens. (a)*

FILE 2  
SECTION 151  
ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 5.22000E-05  
DENSITY 3.11590E+01 SHOULD BE 3.03814E+01

11. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 5.22000E-05 / DENSITY 3.11177E+01 SHOULD BE 3.03410E+01 (0): URR dens. (a)*

FILE 2  
SECTION 151  
ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 5.22000E-05  
DENSITY 3.11177E+01 SHOULD BE 3.03410E+01

12. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 5.22000E-05 / DENSITY 3.07073E+01 SHOULD BE 2.99409E+01 (0): URR dens. (a)*

FILE 2  
SECTION 151  
ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 5.22000E-05  
DENSITY 3.07073E+01 SHOULD BE 2.99409E+01

13. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 5.22000E-05 / DENSITY 3.03025E+01 SHOULD BE 2.95462E+01 (0): URR dens. (a)*

FILE 2  
SECTION 151  
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 5.22000E-05  
DENSITY 3.03025E+01 SHOULD BE 2.95462E+01

14. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 5.22000E-05 / DENSITY 2.99034E+01 SHOULD BE 2.91571E+01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 5.22000E-05  
DENSITY 2.99034E+01 SHOULD BE 2.91571E+01
15. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 5.22000E-05 / DENSITY 2.95098E+01 SHOULD BE 2.87732E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 5.22000E-05  
DENSITY 2.95098E+01 SHOULD BE 2.87732E+01
16. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 5.22000E-05 / DENSITY 2.91216E+01 SHOULD BE 2.83947E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 5.22000E-05  
DENSITY 2.91216E+01 SHOULD BE 2.83947E+01
17. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.03600E+04. STRENGTH FUNCTION IS 5.22000E-05 / DENSITY 2.91077E+01 SHOULD BE 2.83812E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.03600E+04. STRENGTH FUNCTION IS 5.22000E-05  
DENSITY 2.91077E+01 SHOULD BE 2.83812E+01
18. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.99000E+02. STRENGTH FUNCTION IS 3.00000E-04 / ENERGY = 9.99000E+02. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 3.14920E+01 SHOULD BE 3.07060E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 9.99000E+02. STRENGTH FUNCTION IS 3.00000E-04  
ENERGY = 9.99000E+02. STRENGTH FUNCTION IS 3.00000E-04  
DENSITY 3.14920E+01 SHOULD BE 3.07060E+01
19. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+03. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 3.14920E+01 SHOULD BE 3.07060E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.00000E+03. STRENGTH FUNCTION IS 3.00000E-04  
DENSITY 3.14920E+01 SHOULD BE 3.07060E+01
20. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+03. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 3.14501E+01 SHOULD BE 3.06652E+01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 2.00000E+03. STRENGTH FUNCTION IS 3.00000E-04  
DENSITY 3.14501E+01 SHOULD BE 3.06652E+01
21. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+03. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 3.14084E+01 SHOULD BE 3.06245E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.00000E+03. STRENGTH FUNCTION IS 3.00000E-04  
DENSITY 3.14084E+01 SHOULD BE 3.06245E+01
22. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 3.13667E+01 SHOULD BE 3.05838E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 3.00000E-04  
DENSITY 3.13667E+01 SHOULD BE 3.05838E+01
23. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 3.13250E+01 SHOULD BE 3.05432E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 3.00000E-04  
DENSITY 3.13250E+01 SHOULD BE 3.05432E+01
24. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 3.12834E+01 SHOULD BE 3.05026E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 3.00000E-04  
DENSITY 3.12834E+01 SHOULD BE 3.05026E+01
25. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 3.12419E+01 SHOULD BE 3.04622E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 3.00000E-04  
DENSITY 3.12419E+01 SHOULD BE 3.04622E+01
26. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 3.12004E+01 SHOULD BE 3.04217E+01 (0): URR dens. (a)*



- FILE 2  
SECTION 151  
ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 3.00000E-04  
DENSITY 3.12004E+01 SHOULD BE 3.04217E+01
27. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 3.11590E+01 SHOULD BE 3.03814E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 3.00000E-04  
DENSITY 3.11590E+01 SHOULD BE 3.03814E+01
28. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 3.11177E+01 SHOULD BE 3.03410E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 3.00000E-04  
DENSITY 3.11177E+01 SHOULD BE 3.03410E+01
29. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 3.07073E+01 SHOULD BE 2.99409E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 3.00000E-04  
DENSITY 3.07073E+01 SHOULD BE 2.99409E+01
30. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 3.03025E+01 SHOULD BE 2.95462E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 3.00000E-04  
DENSITY 3.03025E+01 SHOULD BE 2.95462E+01
31. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 2.99034E+01 SHOULD BE 2.91571E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 3.00000E-04  
DENSITY 2.99034E+01 SHOULD BE 2.91571E+01
32. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 2.95098E+01 SHOULD BE 2.87732E+01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 3.00000E-04  
DENSITY 2.95098E+01 SHOULD BE 2.87732E+01
33. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 2.91216E+01 SHOULD BE 2.83947E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 3.00000E-04  
DENSITY 2.91216E+01 SHOULD BE 2.83947E+01
34. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.03600E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 2.91077E+01 SHOULD BE 2.83812E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.03600E+04. STRENGTH FUNCTION IS 3.00000E-04  
DENSITY 2.91077E+01 SHOULD BE 2.83812E+01
35. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.99000E+02. STRENGTH FUNCTION IS 3.00000E-04 / ENERGY = 9.99000E+02. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.98749E+01 SHOULD BE 1.84236E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 9.99000E+02. STRENGTH FUNCTION IS 3.00000E-04  
ENERGY = 9.99000E+02. STRENGTH FUNCTION IS 3.00000E-04  
DENSITY 1.98749E+01 SHOULD BE 1.84236E+01
36. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+03. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.98749E+01 SHOULD BE 1.84236E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.00000E+03. STRENGTH FUNCTION IS 3.00000E-04  
DENSITY 1.98749E+01 SHOULD BE 1.84236E+01
37. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+03. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.98485E+01 SHOULD BE 1.83991E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.00000E+03. STRENGTH FUNCTION IS 3.00000E-04  
DENSITY 1.98485E+01 SHOULD BE 1.83991E+01
38. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+03. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.98222E+01 SHOULD BE 1.83747E+01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 3.00000E+03. STRENGTH FUNCTION IS 3.00000E-04  
DENSITY 1.98222E+01 SHOULD BE 1.83747E+01
39. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.97959E+01 SHOULD BE 1.83503E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 3.00000E-04  
DENSITY 1.97959E+01 SHOULD BE 1.83503E+01
40. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.97696E+01 SHOULD BE 1.83259E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 3.00000E-04  
DENSITY 1.97696E+01 SHOULD BE 1.83259E+01
41. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.97433E+01 SHOULD BE 1.83016E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 3.00000E-04  
DENSITY 1.97433E+01 SHOULD BE 1.83016E+01
42. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.97171E+01 SHOULD BE 1.82773E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 3.00000E-04  
DENSITY 1.97171E+01 SHOULD BE 1.82773E+01
43. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.96909E+01 SHOULD BE 1.82530E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 3.00000E-04  
DENSITY 1.96909E+01 SHOULD BE 1.82530E+01
44. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.96648E+01 SHOULD BE 1.82288E+01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 3.00000E-04  
DENSITY 1.96648E+01 SHOULD BE 1.82288E+01
45. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.96387E+01 SHOULD BE 1.82046E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 3.00000E-04  
DENSITY 1.96387E+01 SHOULD BE 1.82046E+01
46. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.93797E+01 SHOULD BE 1.79645E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 3.00000E-04  
DENSITY 1.93797E+01 SHOULD BE 1.79645E+01
47. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.91242E+01 SHOULD BE 1.77277E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 3.00000E-04  
DENSITY 1.91242E+01 SHOULD BE 1.77277E+01
48. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.88724E+01 SHOULD BE 1.74942E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 3.00000E-04  
DENSITY 1.88724E+01 SHOULD BE 1.74942E+01
49. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.86239E+01 SHOULD BE 1.72639E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 3.00000E-04  
DENSITY 1.86239E+01 SHOULD BE 1.72639E+01
50. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.83789E+01 SHOULD BE 1.70368E+01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 3.00000E-04  
DENSITY 1.83789E+01 SHOULD BE 1.70368E+01
51. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.03600E+04. STRENGTH FUNCTION IS 3.00000E-04 / DENSITY 1.83702E+01 SHOULD BE 1.70287E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.03600E+04. STRENGTH FUNCTION IS 3.00000E-04  
DENSITY 1.83702E+01 SHOULD BE 1.70287E+01
52. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.99000E+02. STRENGTH FUNCTION IS 1.50000E-04 / ENERGY = 9.99000E+02. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 1.98749E+01 SHOULD BE 1.88952E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 9.99000E+02. STRENGTH FUNCTION IS 1.50000E-04  
ENERGY = 9.99000E+02. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 1.98749E+01 SHOULD BE 1.88952E+01
53. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+03. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 1.98749E+01 SHOULD BE 1.88952E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.00000E+03. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 1.98749E+01 SHOULD BE 1.88952E+01
54. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+03. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 1.98485E+01 SHOULD BE 1.88701E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.00000E+03. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 1.98485E+01 SHOULD BE 1.88701E+01
55. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+03. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 1.98222E+01 SHOULD BE 1.88451E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.00000E+03. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 1.98222E+01 SHOULD BE 1.88451E+01
56. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 1.97959E+01 SHOULD BE 1.88200E+01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 1.97959E+01 SHOULD BE 1.88200E+01
57. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 1.97696E+01 SHOULD BE 1.87950E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 1.97696E+01 SHOULD BE 1.87950E+01
58. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 1.97433E+01 SHOULD BE 1.87701E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 1.97433E+01 SHOULD BE 1.87701E+01
59. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 1.97171E+01 SHOULD BE 1.87452E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 1.97171E+01 SHOULD BE 1.87452E+01
60. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 1.96909E+01 SHOULD BE 1.87203E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 1.96909E+01 SHOULD BE 1.87203E+01
61. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 1.96648E+01 SHOULD BE 1.86954E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 1.96648E+01 SHOULD BE 1.86954E+01
62. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 1.96387E+01 SHOULD BE 1.86706E+01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 1.96387E+01 SHOULD BE 1.86706E+01
63. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 1.93797E+01 SHOULD BE 1.84244E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 1.93797E+01 SHOULD BE 1.84244E+01
64. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 1.91242E+01 SHOULD BE 1.81815E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 1.91242E+01 SHOULD BE 1.81815E+01
65. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 1.88724E+01 SHOULD BE 1.79420E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 1.88724E+01 SHOULD BE 1.79420E+01
66. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 1.86239E+01 SHOULD BE 1.77059E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 1.86239E+01 SHOULD BE 1.77059E+01
67. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 1.83789E+01 SHOULD BE 1.74729E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 1.83789E+01 SHOULD BE 1.74729E+01
68. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.03600E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 1.83702E+01 SHOULD BE 1.74646E+01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 6.03600E+04. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 1.83702E+01 SHOULD BE 1.74646E+01
69. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.99000E+02. STRENGTH FUNCTION IS 1.50000E-04 / ENERGY = 9.99000E+02. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 1.53147E+01 SHOULD BE 1.34966E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 9.99000E+02. STRENGTH FUNCTION IS 1.50000E-04  
ENERGY = 9.99000E+02. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 1.53147E+01 SHOULD BE 1.34966E+01
70. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+03. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 1.53147E+01 SHOULD BE 1.34966E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.00000E+03. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 1.53147E+01 SHOULD BE 1.34966E+01
71. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+03. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 1.52943E+01 SHOULD BE 1.34786E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 2.00000E+03. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 1.52943E+01 SHOULD BE 1.34786E+01
72. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+03. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 1.52740E+01 SHOULD BE 1.34608E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.00000E+03. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 1.52740E+01 SHOULD BE 1.34608E+01
73. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 1.52538E+01 SHOULD BE 1.34429E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 4.00000E+03. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 1.52538E+01 SHOULD BE 1.34429E+01
74. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 1.52335E+01 SHOULD BE 1.34250E+01 (0): URR dens. (a)*



- FILE 2  
SECTION 151  
ENERGY = 5.00000E+03. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 1.52335E+01 SHOULD BE 1.34250E+01
75. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 1.52133E+01 SHOULD BE 1.34072E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.00000E+03. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 1.52133E+01 SHOULD BE 1.34072E+01
76. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 1.51931E+01 SHOULD BE 1.33894E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 7.00000E+03. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 1.51931E+01 SHOULD BE 1.33894E+01
77. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 1.51729E+01 SHOULD BE 1.33716E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 8.00000E+03. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 1.51729E+01 SHOULD BE 1.33716E+01
78. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 1.51528E+01 SHOULD BE 1.33539E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 9.00000E+03. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 1.51528E+01 SHOULD BE 1.33539E+01
79. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 1.51327E+01 SHOULD BE 1.33361E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 1.00000E+04. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 1.51327E+01 SHOULD BE 1.33361E+01
80. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 1.49331E+01 SHOULD BE 1.31603E+01 (0): URR dens. (a)*

- FILE 2  
SECTION 151  
ENERGY = 2.00000E+04. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 1.49331E+01 SHOULD BE 1.31603E+01
81. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 1.47362E+01 SHOULD BE 1.29868E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 3.00000E+04. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 1.47362E+01 SHOULD BE 1.29868E+01
82. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 1.45422E+01 SHOULD BE 1.28157E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 4.00000E+04. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 1.45422E+01 SHOULD BE 1.28157E+01
83. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 1.43507E+01 SHOULD BE 1.26470E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 5.00000E+04. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 1.43507E+01 SHOULD BE 1.26470E+01
84. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 1.41619E+01 SHOULD BE 1.24807E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.00000E+04. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 1.41619E+01 SHOULD BE 1.24807E+01
85. Level density in URR not in agreement with PSYCHE's expectations  
*FILE 2 / SECTION 151 / ENERGY = 6.03600E+04. STRENGTH FUNCTION IS 1.50000E-04 / DENSITY 1.41552E+01 SHOULD BE 1.24747E+01 (0): URR dens. (a)*
- FILE 2  
SECTION 151  
ENERGY = 6.03600E+04. STRENGTH FUNCTION IS 1.50000E-04  
DENSITY 1.41552E+01 SHOULD BE 1.24747E+01
86. Non-threshold reaction with Q value differing from PSYCHE's expectations  
*FILE 3 / SECTION 107 / THE CALCULATED Q 2.25145E+06 DISSAGREES WITH THE GIVEN Q 0.00000E+00 (0): Iffy Q*
- FILE 3  
SECTION 107  
THE CALCULATED Q 2.25145E+06 DISSAGREES WITH THE GIVEN Q 0.00000E+00

- recent Warnings:

1. Statistical weight of certain L values were incorrect  
*0: RRR goof (a)*

```
Calculate Cross Sections from Resonance Parameters (RECENT 2015-1)
=====
Retrieval Criteria----- MAT
File 2 Minimum Cross Section- 1.0000E-10 (Standard Option)
Reactions with No Background- Output (Resonance Contribution)
... [501 more lines]
```

- fudge-4.0 Warnings:

1. Cross section does not match sum of linked reaction cross sections  
*crossSectionSum label 0: total (Error # 0): CS Sum.*

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 4.49%

- fudge-4.0 Errors:

1. The spin statistical weights are off, indicating missing channels  
*resonances / resolved / MultiLevel\_BreitWigner (Error # 0): badSpinStatisticalWeights*

WARNING: The spin statistical weights for L=1 sums to 2.25, but should sum to 3.0. You have too few channels for r

2. Calculated and tabulated Q values disagree.  
*reaction label 14: n[multiplicity:'2'] + Ag110 + gamma (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -8456088.279754639 eV vs -8.83e6 eV!

3. Calculated and tabulated Q values disagree.  
*reaction label 15: n[multiplicity:'3'] + Ag109 + gamma (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -15033045.83068848 eV vs -1.5639e7 eV!

4. Calculated and tabulated Q values disagree.  
*reaction label 16: n + H1 + Pd110 + gamma (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -6733726.617401123 eV vs -7.156e6 eV!

5. If an outgoing energy distribution ends with more than one energy with probability=0, proper unitbase treatment is unclear. Distribution should end with exactly one P=0 point.  
*reaction label 16: n + H1 + Pd110 + gamma / Product: n / Distribution: / energyAngular - XYs3d: (Error # 0): extraOutgoingEnergy*

WARNING: Extra zero-probability outgoing energies found at incident energy 9.e6 eV  
WARNING: Extra zero-probability outgoing energies found at incident energy 1.e7 eV  
WARNING: Extra zero-probability outgoing energies found at incident energy 1.1e7 eV  
WARNING: Extra zero-probability outgoing energies found at incident energy 1.2e7 eV  
... plus 8 more instances of this message

6. Calculated and tabulated Q values disagree.  
*reaction label 17: H1 + Pd111 (Error # 0): Q mismatch*

- WARNING: Calculated and tabulated Q-values disagree: -1096334.430892944 eV vs -1.406e6 eV!
7. Calculated and tabulated Q values disagree.  
*reaction label 18: H1 + Pd111\_e1 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -1168534.430892944 eV vs -1.4782e6 eV!

  8. Calculated and tabulated Q values disagree.  
*reaction label 19: H1 + Pd111\_e2 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -1268514.430892944 eV vs -1578180. eV!

  9. Calculated and tabulated Q values disagree.  
*reaction label 20: H1 + Pd111\_e3 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -1287634.430892944 eV vs -1.5973e6 eV!

  10. Calculated and tabulated Q values disagree.  
*reaction label 21: H1 + Pd111\_e4 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -1291434.430892944 eV vs -1.6011e6 eV!

  11. Calculated and tabulated Q values disagree.  
*reaction label 22: H1 + Pd111\_e5 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -1327134.430892944 eV vs -1.6368e6 eV!

  12. Calculated and tabulated Q values disagree.  
*reaction label 23: H1 + Pd111\_e6 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -1355634.430892944 eV vs -1.6653e6 eV!

  13. Calculated and tabulated Q values disagree.  
*reaction label 24: H1 + Pd111\_e7 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -1371634.430892944 eV vs -1.6813e6 eV!

  14. Calculated and tabulated Q values disagree.  
*reaction label 25: H1 + Pd111\_e8 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -1480534.430892944 eV vs -1.7902e6 eV!

  15. Calculated and tabulated Q values disagree.  
*reaction label 26: H1 + Pd111\_e9 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -1508134.430892944 eV vs -1.8178e6 eV!

  16. Calculated and tabulated Q values disagree.  
*reaction label 27: H1 + Pd111\_e10 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -1546734.430892944 eV vs -1.8564e6 eV!

  17. Calculated and tabulated Q values disagree.  
*reaction label 28: H1 + Pd111\_e11 (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -1604334.430892944 eV vs -1.914e6 eV!

18. Calculated and tabulated Q values disagree.  
*reaction label 29: H1 + Pd111\_e12 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: -1620134.430892944 eV vs -1.9298e6 eV!
19. Calculated and tabulated Q values disagree.  
*reaction label 30: H1 + Pd111\_e13 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: -1630334.430892944 eV vs -1.94e6 eV!
20. Calculated and tabulated Q values disagree.  
*reaction label 31: H1 + Pd111\_e14 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: -1663334.430892944 eV vs -1.973e6 eV!
21. Calculated and tabulated Q values disagree.  
*reaction label 32: H1 + (Pd111\_c ->Pd111 + gamma) (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: -1663334.430892944 eV vs -1.973e6 eV!
22. Calculated and tabulated Q values disagree.  
*reaction label 33: He4 + Rh108 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 2614194.983551025 eV vs 2.446e6 eV!
23. Calculated and tabulated Q values disagree.  
*reaction label 34: He4 + Rh108\_e1 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 2599594.983551025 eV vs 2.4314e6 eV!
24. Calculated and tabulated Q values disagree.  
*reaction label 35: He4 + Rh108\_e2 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 2540544.983551025 eV vs 2372350. eV!
25. Calculated and tabulated Q values disagree.  
*reaction label 36: He4 + Rh108\_e3 (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 2449244.983551025 eV vs 2281050. eV!
26. Calculated and tabulated Q values disagree.  
*reaction label 37: He4 + (Rh108\_c ->Rh108 + gamma) (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 2449244.983551025 eV vs 2281050. eV!
27. Calculated and tabulated Q values disagree.  
*reaction label 38: Ag112 + gamma (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: 6887077.712265015 eV vs 6.479e6 eV!
28. Calculated and tabulated Q values disagree.  
*reaction label 39: n + He4 + Rh107 + gamma (Error # 0): Q mismatch*
- WARNING: Calculated and tabulated Q-values disagree: -3023197.202957153 eV vs -3.781e6 eV!

29. If an outgoing energy distribution ends with more than one energy with probability=0, proper unitbase treatment is unclear. Distribution should end with exactly one P=0 point.  
*reaction label 39: n + He4 + Rh107 + gamma / Product: n / Distribution: / energyAngular - XYs3d: (Error # 0): extraOutgoingEnergy*

WARNING: Extra zero-probability outgoing energies found at incident energy 9.e6 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.1e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.2e7 eV  
 ... plus 8 more instances of this message

30. Calculated and tabulated Q values disagree.  
*reaction label 40: n[multiplicity:'2'] + He4 + Rh106 + gamma (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -11479285.48271179 eV vs -1.2349e7 eV!

31. If an outgoing energy distribution ends with more than one energy with probability=0, proper unitbase treatment is unclear. Distribution should end with exactly one P=0 point.  
*reaction label 40: n[multiplicity:'2'] + He4 + Rh106 + gamma / Product: n / Distribution: / energyAngular - XYs3d: (Error # 0): extraOutgoingEnergy*

WARNING: Extra zero-probability outgoing energies found at incident energy 1.8e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.9e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 2.e7 eV

32. Calculated and tabulated Q values disagree.  
*reaction label 41: n[multiplicity:'2'] + H1 + Pd109 + gamma (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -15189814.89715576 eV vs -1.5973e7 eV!

33. If an outgoing energy distribution ends with more than one energy with probability=0, proper unitbase treatment is unclear. Distribution should end with exactly one P=0 point.  
*reaction label 41: n[multiplicity:'2'] + H1 + Pd109 + gamma / Product: n / Distribution: / energyAngular - XYs3d: (Error # 0): extraOutgoingEnergy*

WARNING: Extra zero-probability outgoing energies found at incident energy 1.8e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 1.9e7 eV  
 WARNING: Extra zero-probability outgoing energies found at incident energy 2.e7 eV

34. Cross section domain does not match domain of linked reaction cross section sum  
*crossSectionSum label 1: (z,n) (Error # 0): summedCrossSectionDomainMismatch*

WARNING: Cross section domain does not match domain of linked reaction cross section sum

35. Cross section domain does not match domain of linked reaction cross section sum  
*crossSectionSum label 2: (z,p) (Error # 0): summedCrossSectionDomainMismatch*

WARNING: Cross section domain does not match domain of linked reaction cross section sum

• njoy2012 Warnings:

1. Recoil is not given, so one-particle recoil approximation used.  
*heatr...prompt kerma (0): HEATR/hinit (4)*

---message from hinit---mf6, mt102 does not give recoil za= 47112  
photon momentum recoil used.